

Acadia National Park

PUBLIC USE COUNTING AND REPORTING INSTRUCTIONS

Following are detailed instructions for collecting and reporting data to be entered on Form 10-157, Revised, Monthly Public Use Report by Acadia National Park. These instructions are effective the date of issuance and will continue in effect unless changed by amendment or by memorandum from the Socio-Economic Studies Division to the superintendent approving a requested change.

Each item below describes the procedures to be followed in collecting public use data and summarizing the various elements of those data for entry on the corresponding line on the 10-157, Monthly Public Use Report.

Recreation Visits

Mount Desert Island Area

1. An inductive loop traffic counter (Station 4702)** is located on both southbound lanes of Loop Road, 20 feet north of Sand Beach Road. The traffic count at station 4702*** is multiplied by the vehicle expansion multiplier (Table 1)* to estimate the number of vehicles using all other recreation areas of the park but which do not cross this counter. The adjusted vehicle count is multiplied by the persons-per-vehicle (PPV) multiplier for recreation use (Table 2)*.
2. The number of visitors observed snowmobiling.
3. The number of visitors observed cross-country skiing.
4. The number of bus passengers is determined by multiplying the number of buses by the persons per bus multiplier of 45.

Isle au Haut

The number of visitors arriving by ferry from Stonington.

Schoodic Peninsula

An inductive loop traffic counter (station 4703)** is located 0.15 mile north of the park boundary on the access highway to Schoodic Peninsula. The traffic count is multiplied by the seasonal PPV multiplier for Recreation Use (Table 2).

* Source: Acadia National Park, 1990-1991 Visitor Survey, University of Vermont.

** Source: National Park Service, Professional Support Division Branch of Transportation.

*** (If Stations 4702 or 4703 are inoperative, Table 4 estimates the number of vehicles that would have crossed the counter. Multiply the daily traffic count in Table 4 by the number of days the counter was inoperative. Add this count to the traffic count obtained for the days the counter was operative.)

Nonrecreation Visits

Mount Desert Island

Nonrecreation vehicles are estimated as one hundred vehicles per day May through October. There are a minimal number of nonrecreation vehicles the remaining months. The vehicle count is multiplied by the nonrecreation PPV multiplier (Table 2)

Recreation Visitor Hours

Mount Desert Island

1. Total recreation visits are multiplied by the length-of-stay (LOS) multiplier for recreation day use (Table 3)*.
2. Total overnight stays are multiplied by the appropriate LOS multiplier for recreation overnights (Table 3)*.

Isle au Haut

1. Total recreation visits are multiplied by the LOS multiplier for recreation day use (Table 3)*.
2. Total overnight stays are multiplied by the LOS multiplier for recreation overnights (Table 3)*.

Schoodic Peninsula

1. Total recreation visits are multiplied by the LOS multiplier for recreation day use (Table 3)*.
2. Total overnight stays are multiplied by the LOS multiplier for recreation overnights (Table 3)*.

Nonrecreation Visitor Hours

The total nonrecreation visits are multiplied by 1 hour.

Overnight Stays

NPS Campgrounds - Blackwoods Campground, Seawall Campground, Isle au Haut (tents only)

The actual number of tent or RV sites occupied are multiplied by the persons-per-site multiplier of 3.0.

NPS Miscellaneous - Blackwoods Group Camping, Seawall Group Camping.
The actual number of group campers are multiplied by the number of nights stayed.

Table 1
VEHICLE EXPANSION MULTIPLIERS BY MONTH*

MONTH	MULTIPLIER
January	1.8
February	1.8
March	2.2
April	2.5
May	2.6
June	2.7
July	2.7
August	2.7
September	2.6
October	2.5
November	2.4
December	1.8

* Source: Acadia National Park, 1990-1991 Visitor Survey, University of Vermont. Figures are rounded.

Table 2

PERSONS-PER-VEHICLE MULTIPLIERS FOR
RECREATION AND NONRECREATION USE BY MONTH*

MONTH	RECREATION USE PPV	NONREC USE PPV
January	2.0	1.5
February	2.0	1.5
March	2.0	1.5
April	2.8	2.0
May	3.0	2.0
June	3.0	2.0
July	3.0	2.0
August	3.0	2.0
September	3.0	2.0
October	3.0	1.5
November	2.8	1.5
December	2.0	1.5

Table 3

LENGTH-OF-STAY MULTIPLIERS BY SEASON*

SEASON	MONTH	Recreation Day Use	Recreation Overnights
SUMMER	January	5 HOURS	26.5 HOURS
	February		
	March		
FALL	April	6 HOURS	27 HOURS
	May		
	June		
WINTER	July	6.6 HOURS	28 HOURS
	August		
	September		
SPRING	October	5.8 HOURS	27.3 HOURS
	November		
	December		

Table 4

AVERAGE DAILY TRAFFIC COUNTS BY MONTH AND TRAFFIC COUNTER*

MONTH	4702 Sand Beach	4703 Schoodic Peninsula
January	75	50
February	86	75
March	115	100
April	245	125
May	491	200
June	969	275
July	1,961	450
August	2,224	500
September	1,345	350
October	558	200
November	162	100
December	65	50

*Source: National Park Service, Professional Support Division, Transportation Department, Denver, Colorado. Averages are derived from 1987 through 1990 data.